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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/653,240	09/03/2003	K.R. Sridhar	079173-0125	4865
22428 FOLFY AND	7590 06/04/2007 LARDNER LLP		EXAMINER	
SUITE 500			MAPLES, JOHN S	
3000 K STREET NW WASHINGTON, DC 20007			ART UNIT	PAPER NUMBER
	•		1745	
			MAIL DATE	DELIVERY MODE
			06/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•		Application No.	Applicant(s)			
		10/653,240	SRIDHAR ET AL.			
	Office Action Summary	Examiner	Art Unit			
		John S. Maples	1745			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - External after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication, or period for reply is specified above, the maximum statutory period we re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. lely filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on <u>02 Ma</u>	arch 2007.				
2a)[This action is FINAL . 2b)⊠ This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
4)	Claim(s) <u>1-70</u> is/are pending in the application.		•			
	4a) Of the above claim(s) <u>1-11 and 63-70</u> is are withdrawn from consideration.					
5)⊠	5)⊠ Claim(s) <u>20-62</u> ie/are allowed.					
6)⊠	6)⊠ Claim(s) 12-19 ie∕are rejected.					
7)	Claim(s) is/are objected to.		·			
8)[Claim(s) are subject to restriction and/or	election requirement.				
Applicati	on Papers					
9) 🗆	The specification is objected to by the Examiner	•				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority u	ınder 35 U.S.C. § 119	,				
=	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
. ~		or the certified copies not receive	u.			
Attachmen		_				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4)				
3) 🔯 Inform	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal Pa 6) Other: <u>Reasons for A</u>	atent Application			

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1.Claims 1-11 and 63-70 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on March 2, 2007.

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 12-19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 12 recites a second means and a third means but does not set forth a first means. This renders the claim indefinite.

Claims 13-19, dependent on claim 12, falls therewith.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Molter et al. and Halter et al. both teach separate electrolysis cells and fuel cells for an energy system while McElroy et al. sets forth a reversible fuel cell that can function in both an electrolysis mode and a fuel cell mode.

5. The following is an examiner's statement of reasons for allowance: none of the prior art of record teaches a reversible fuel cell system which functions in both a fuel cell mode and in an electrolysis mode and wherein excess reactant product from outside the system is provided to the system functioning in the electrolysis mode, in addition to or instead of the reactant product produced by the system when functioning

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in the fuel cell mode. Thus fuel in excess required by the system functioning in the fuel cell mode is produced over a predetermined number of cycles. Also, a means for removing excess fuel generated during the electrolysis mode is provided. The prior art of record does not teach the above concept in a reversible fuel cell system.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John S. Maples whose telephone number is 571-272-1287. The examiner can normally be reached on Monday-Thursday, 6:15-3:45, and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSM/5-24-2007

JOHN S. MAPLES